

Model D-5000 Graphics Generator

**Broadcast and Related
Products Division /3M**

**APPENDIX A
Schematics**

88-9430-1943-2

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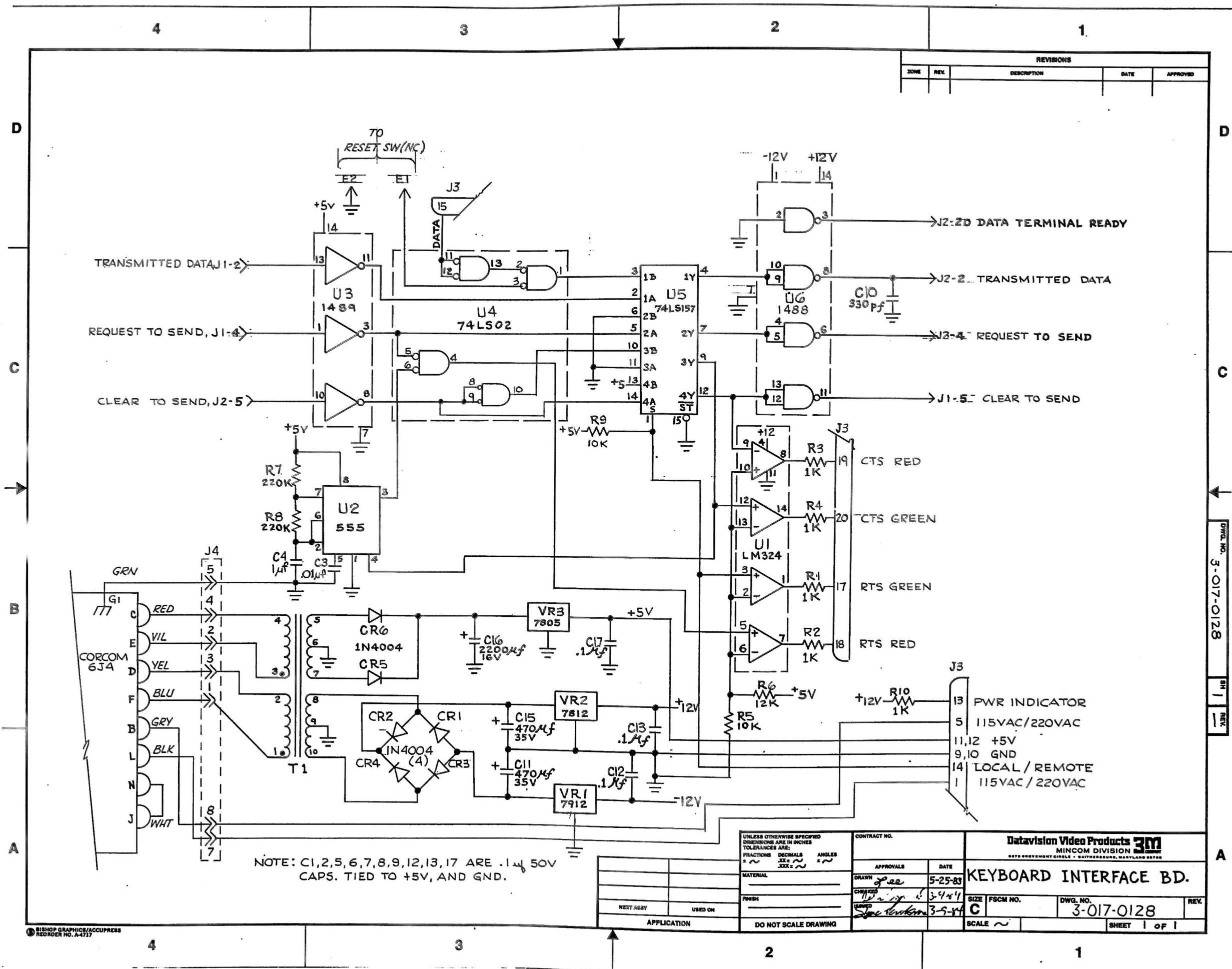
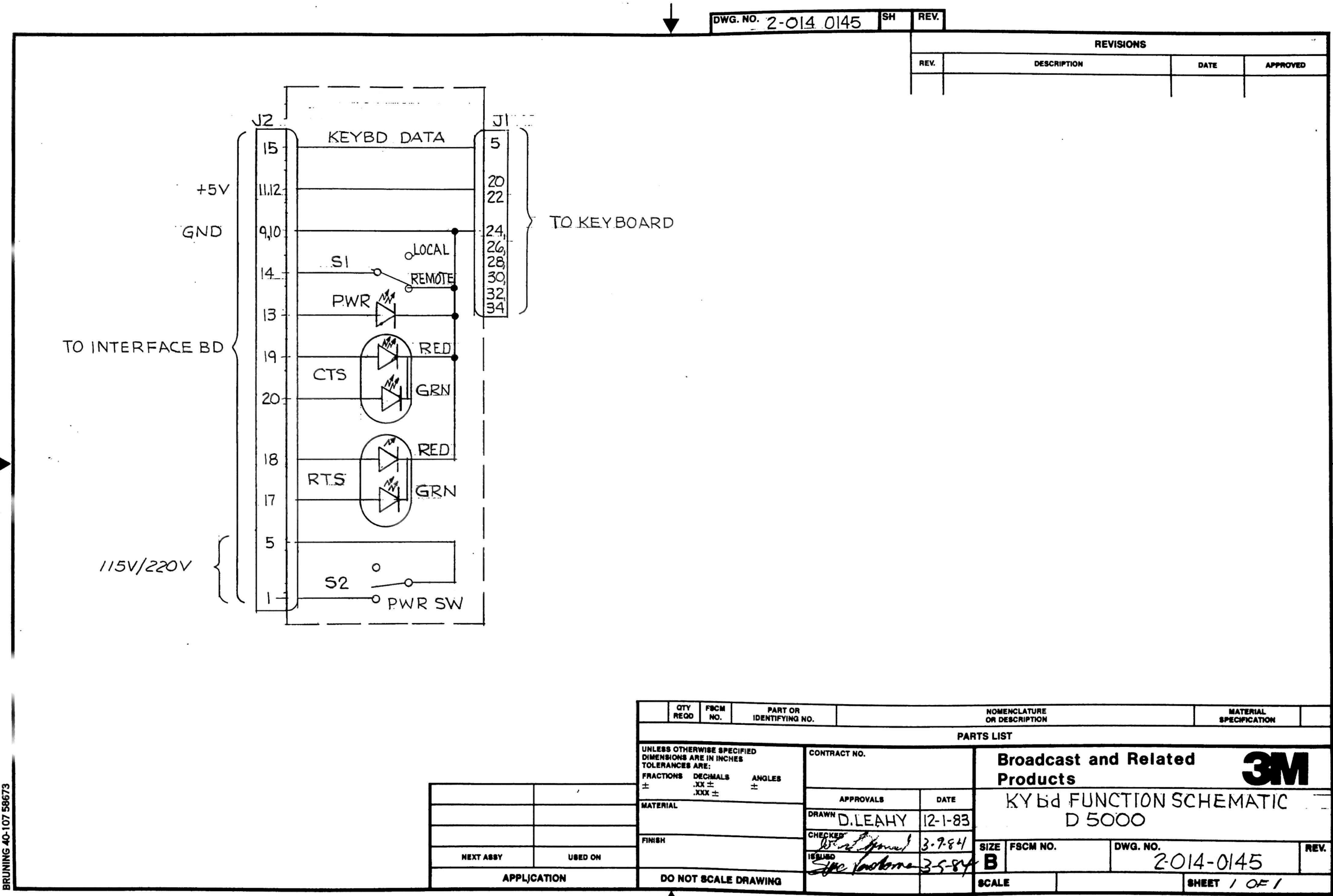


FIGURE 6-1



BRUNING 40-107 58673

FIGURE 6-2

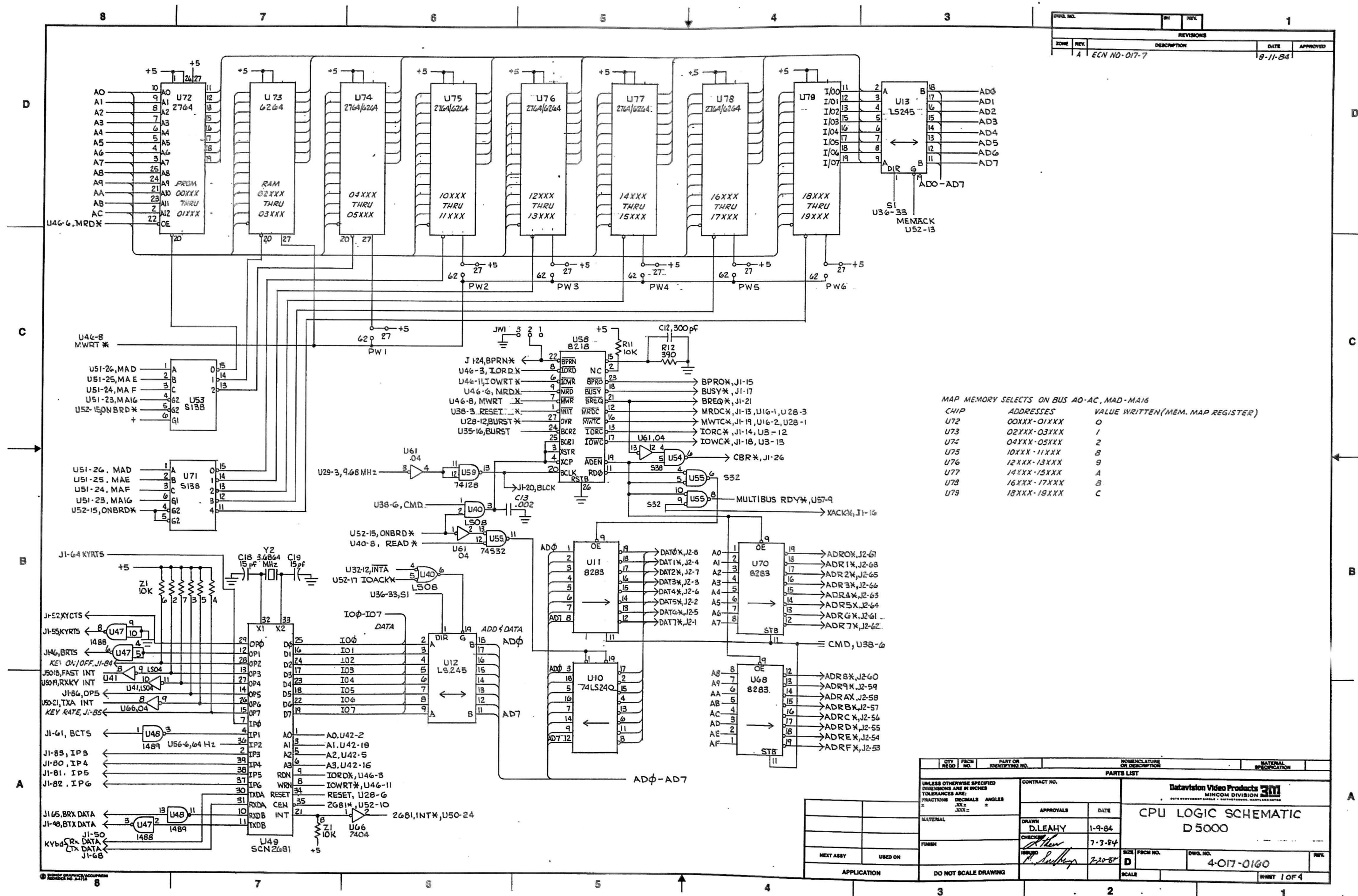
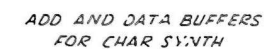
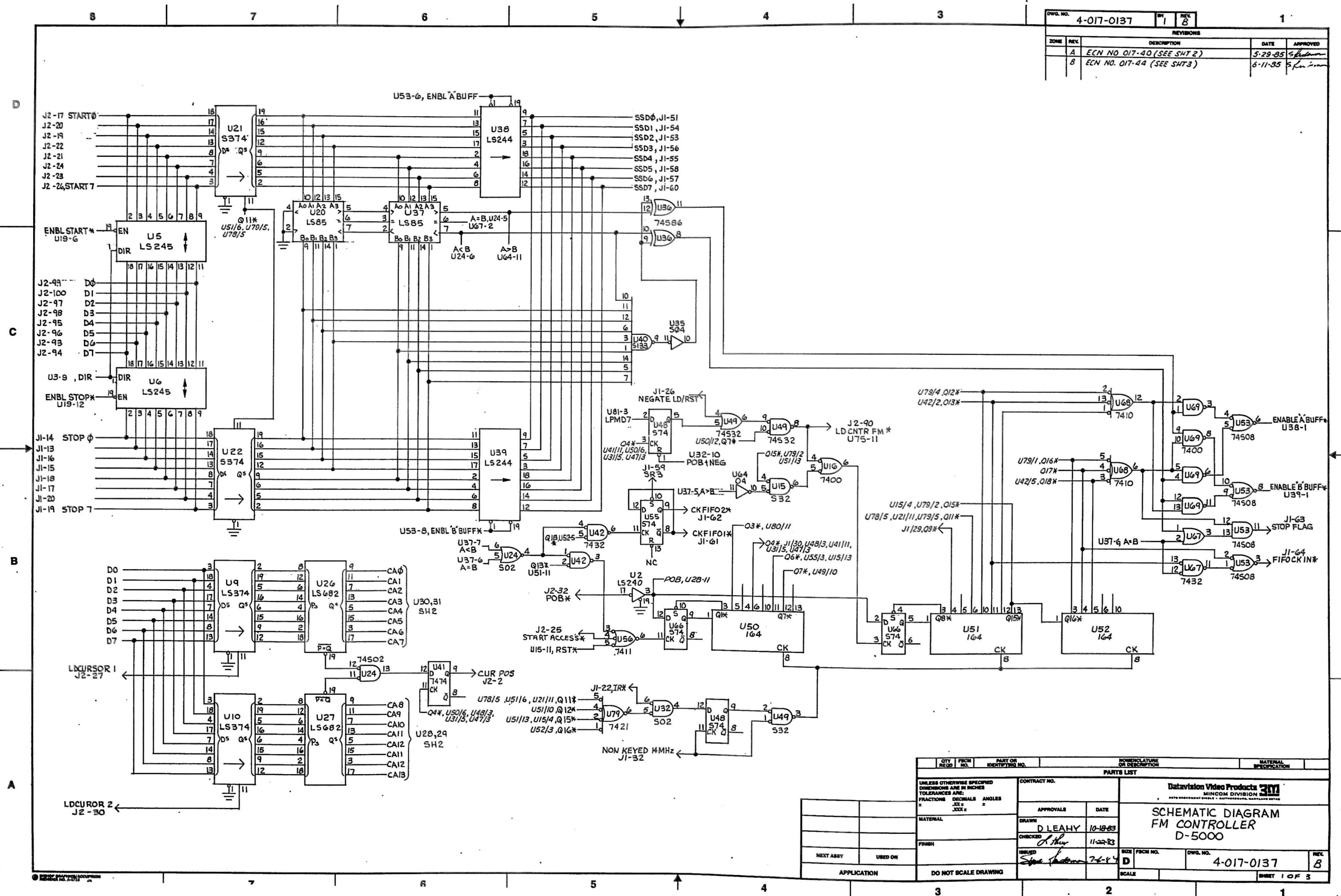


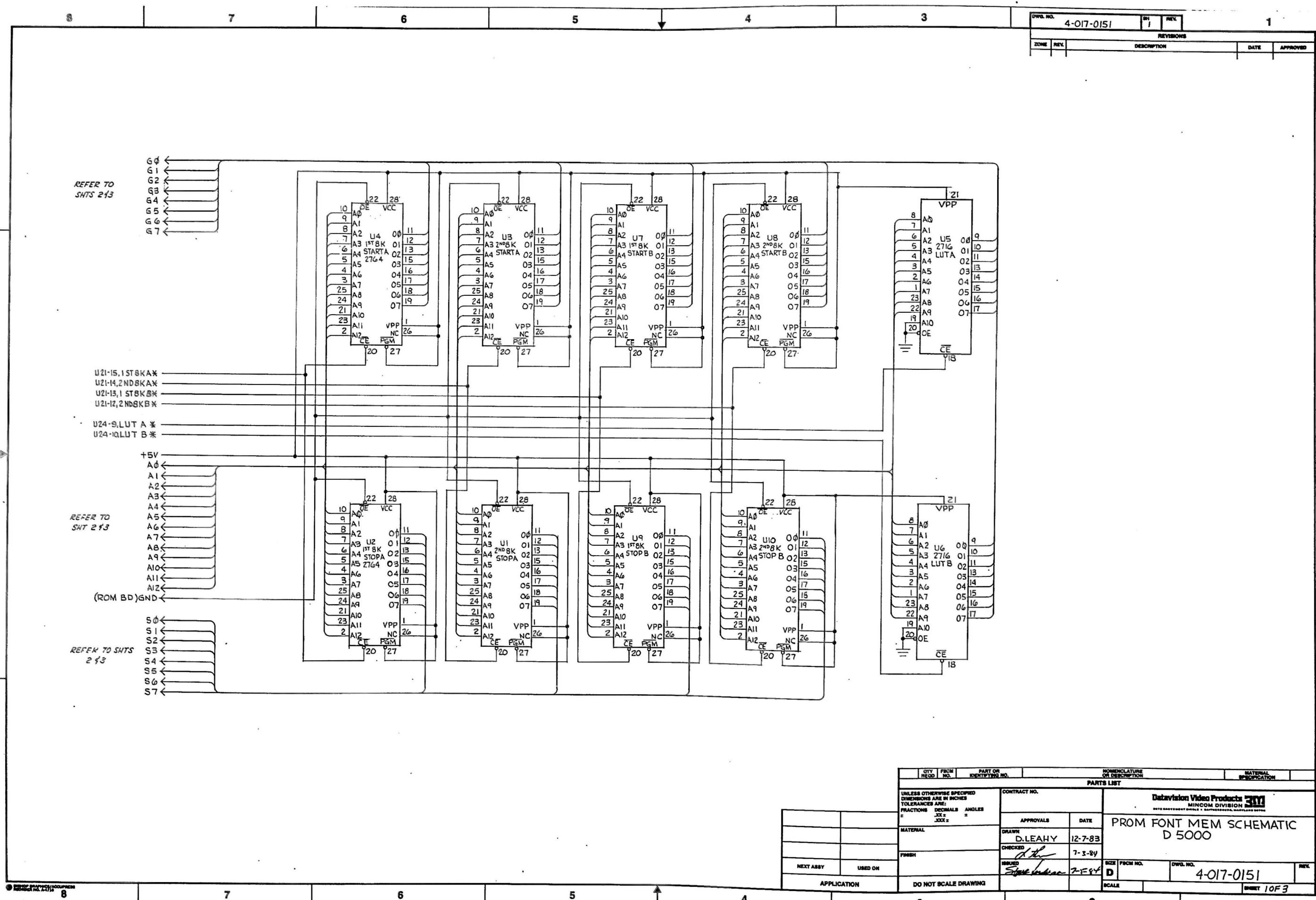
FIGURE 6-3



		FRACTIONS	DECIMALS	ANGLES
		=	.XX =	=
			.XXX =	
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

FIGURE 6-4

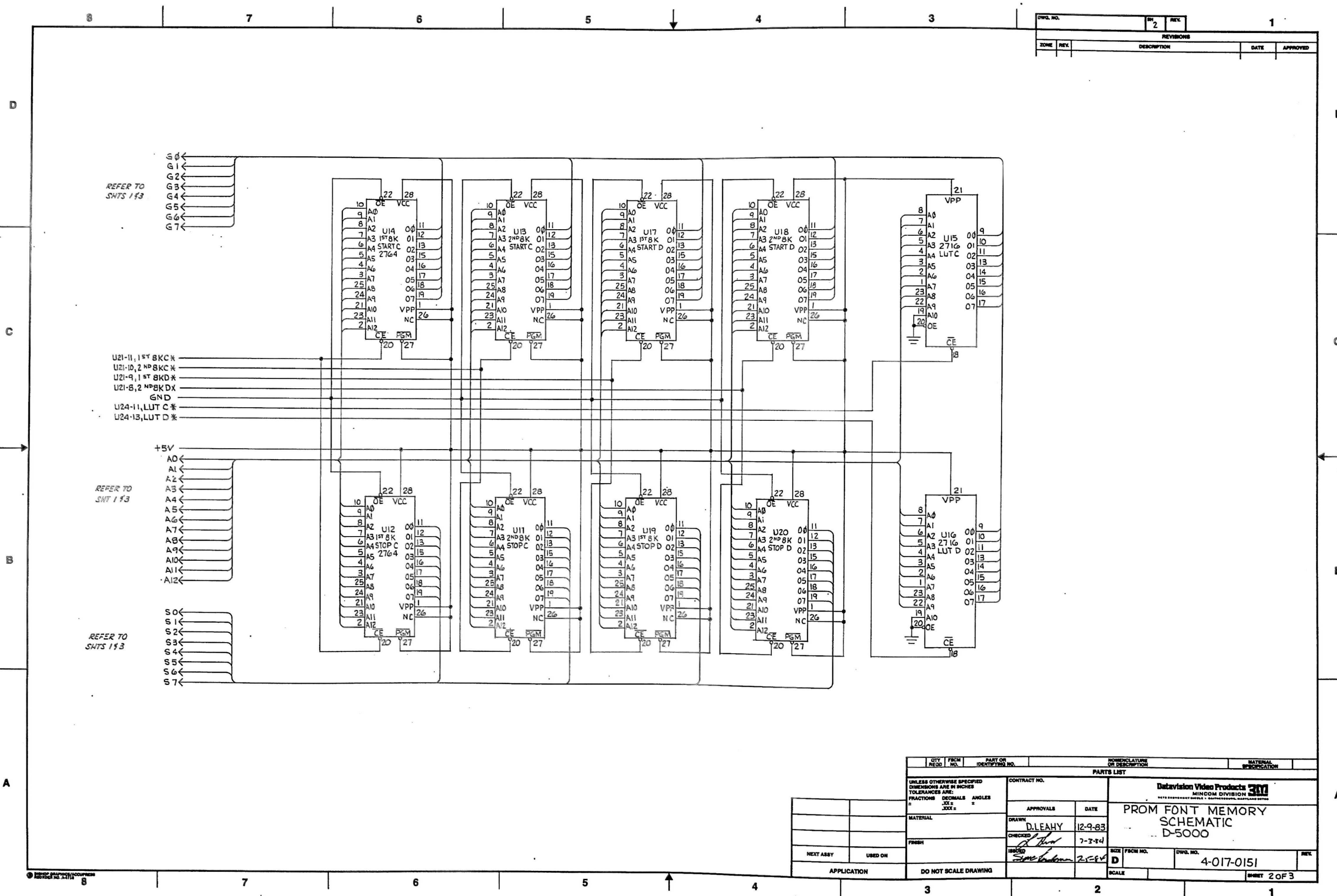




DWG. NO.		4-017-0151	REV	1
REV		1	REV	
ZONE	REV	DESCRIPTION	DATE	APPROVED

QTY	FROM	PART OR	NOMENCLATURE	MATERIAL
REQD	NO.	IDENTIFYING NO.	OR DESCRIPTION	SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES XXX ± .XXX ± °			CONTRACT NO.	
MATERIAL			APPROVALS	DATE
CHECKED			D. LEAHY	12-7-83
FINISH			ISSUED	7-5-84
NEXT ASSY			USED ON	
APPLICATION			DO NOT SCALE DRAWING	
DATE			SIZE	FROM NO.
DWG. NO.			4-017-0151	REV.
SCALE			1 OF 3	

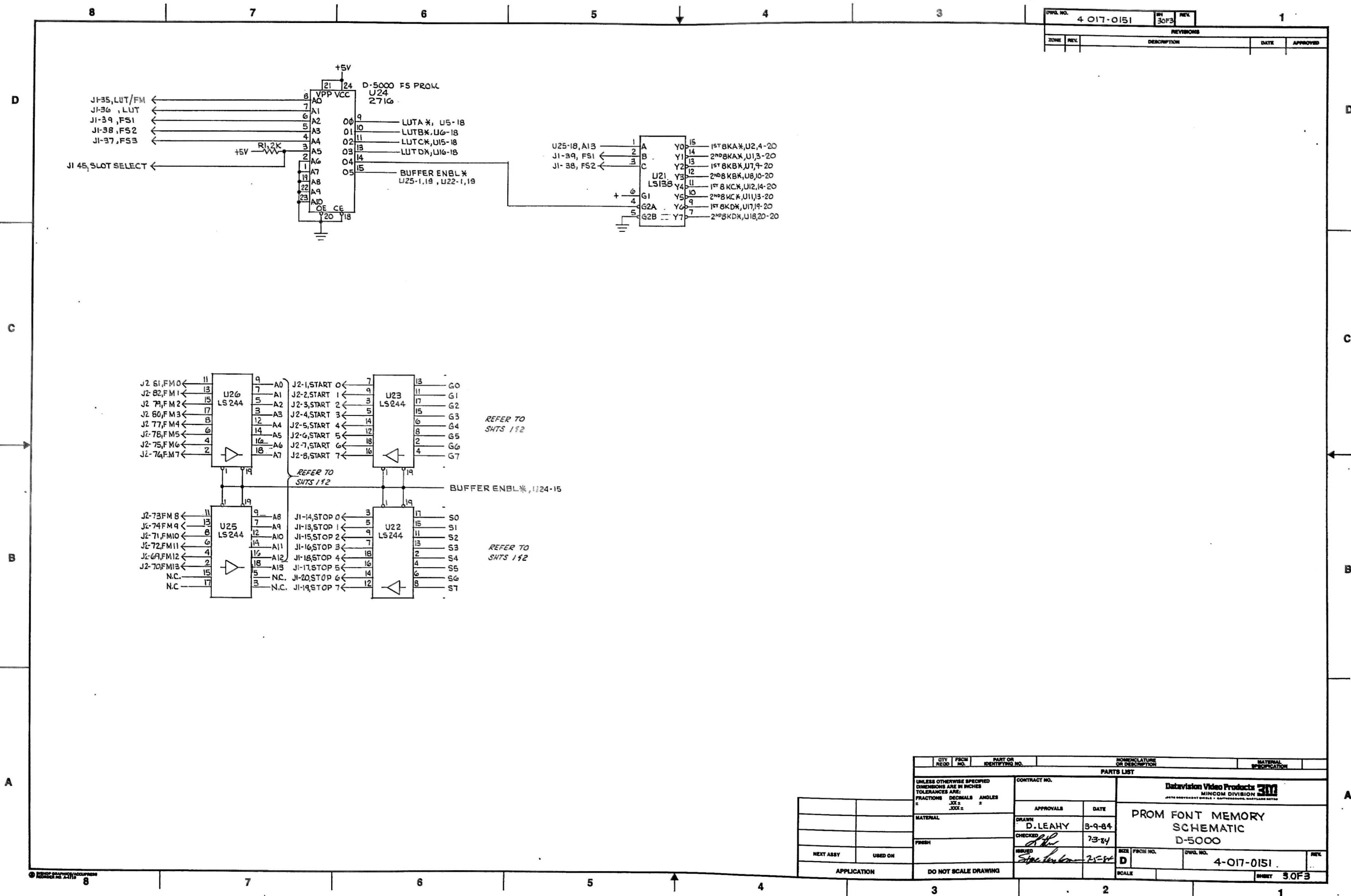
FIGURE 6-10

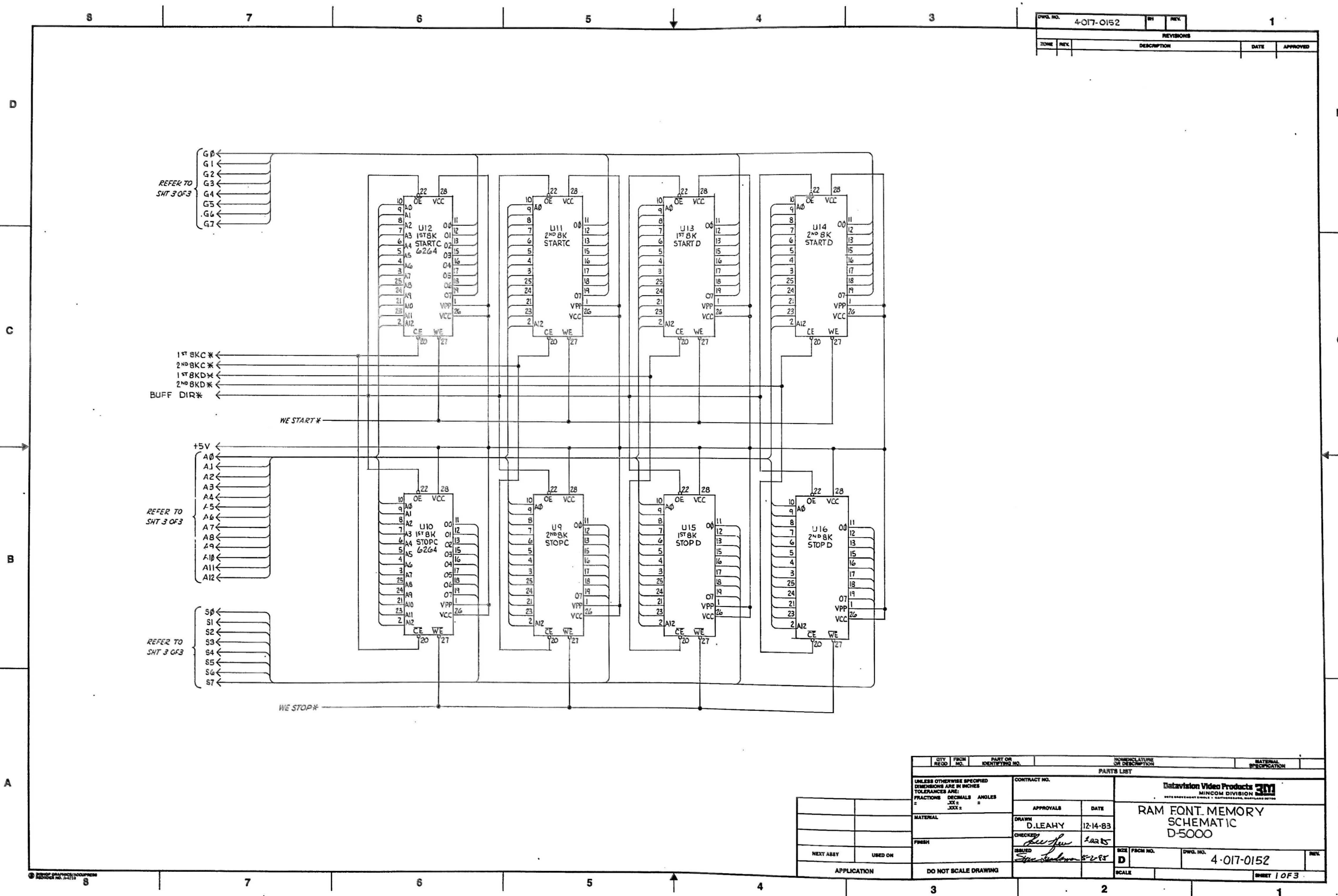


DWG. NO.		REV.	DATE	APPROVED
1		2		
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

QTY REQD		FRM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION			
PARTS LIST									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XX ± .XXX ± °				CONTRACT NO.					
MATERIAL				APPROVALS		DATE			
FINISH				DRAWN D. LEAHY		12-9-83			
NEXT ASSY				CHECKED <i>[Signature]</i>		7-3-84			
USED ON				ISSUED <i>[Signature]</i>		2-5-84			
APPLICATION				DO NOT SCALE DRAWING		SIZE FRCM NO. DWG. NO. REV.			
						D 4-017-0151			
						SCALE SHEET 2 OF 3			

FIGURE 6-11

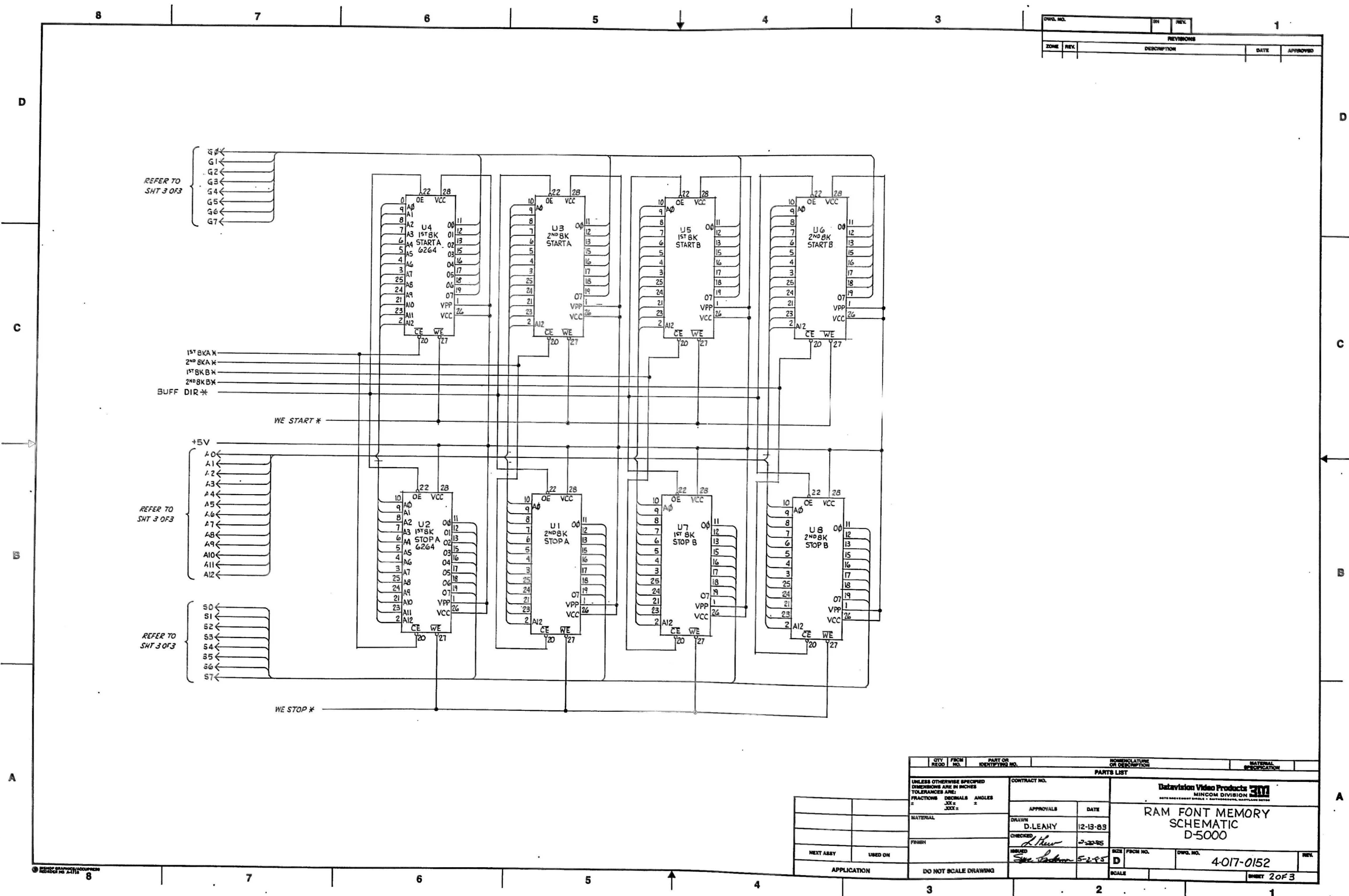




DWG. NO. 4-017-0152		REV.	DATE
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
			APPROVED

QTY FROM PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION	
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES		CONTRACT NO.		Datavision Video Products 3M MINCOM DIVISION DATE GOVERNMENT SINGLE - 1. 1/1/1983, 1/1/1983, 1/1/1983	
MATERIAL		APPROVALS	DATE	RAM FONT MEMORY SCHEMATIC D-5000	
FRESH		DRAWN D. LEAHY	12-14-83		
NEXT ASSY		CHECKED <i>[Signature]</i>	12-28-83		
USED ON		ISSUED <i>[Signature]</i>	5-2-85		
APPLICATION		DO NOT SCALE DRAWING		SIZE FROM NO. D	DWG. NO. 4-017-0152
				SCALE	SHEET 1 OF 3

FIGURE 6-10A



DWG. NO.		REV.		1	
REVISIONS					
ZONE	REV.	DESCRIPTION		DATE	APPROVED
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .005 ± .005		CONTRACT NO.		DATE	
MATERIAL		APPROVALS		DATE	
CHECKED		D. LEAHY		12-13-83	
ISSUED		S. L. L. L.		2-20-85	
NEXT ASSY		USED ON		SCALE	
APPLICATION		DO NOT SCALE DRAWING		SCALE	
MATERIAL SPECIFICATION		PARTS LIST		MATERIAL SPECIFICATION	
DataVision Video Products 300		MINICOM DIVISION		DATE	
RAM FONT MEMORY		SCHEMATIC		D-5000	
SIZE		FPM NO.		DWG. NO.	
D		4-017-0152		REV.	
SCALE		1		SHEET 2 OF 3	

FIGURE 6-11A

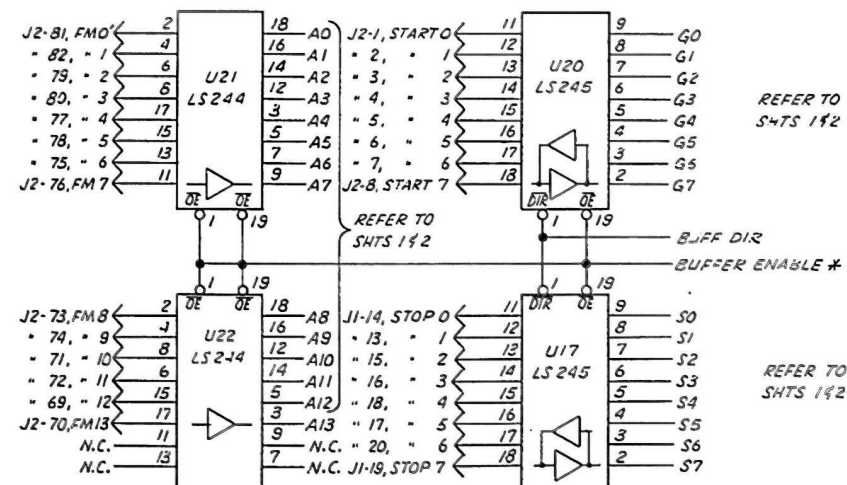


FIGURE 6-12A

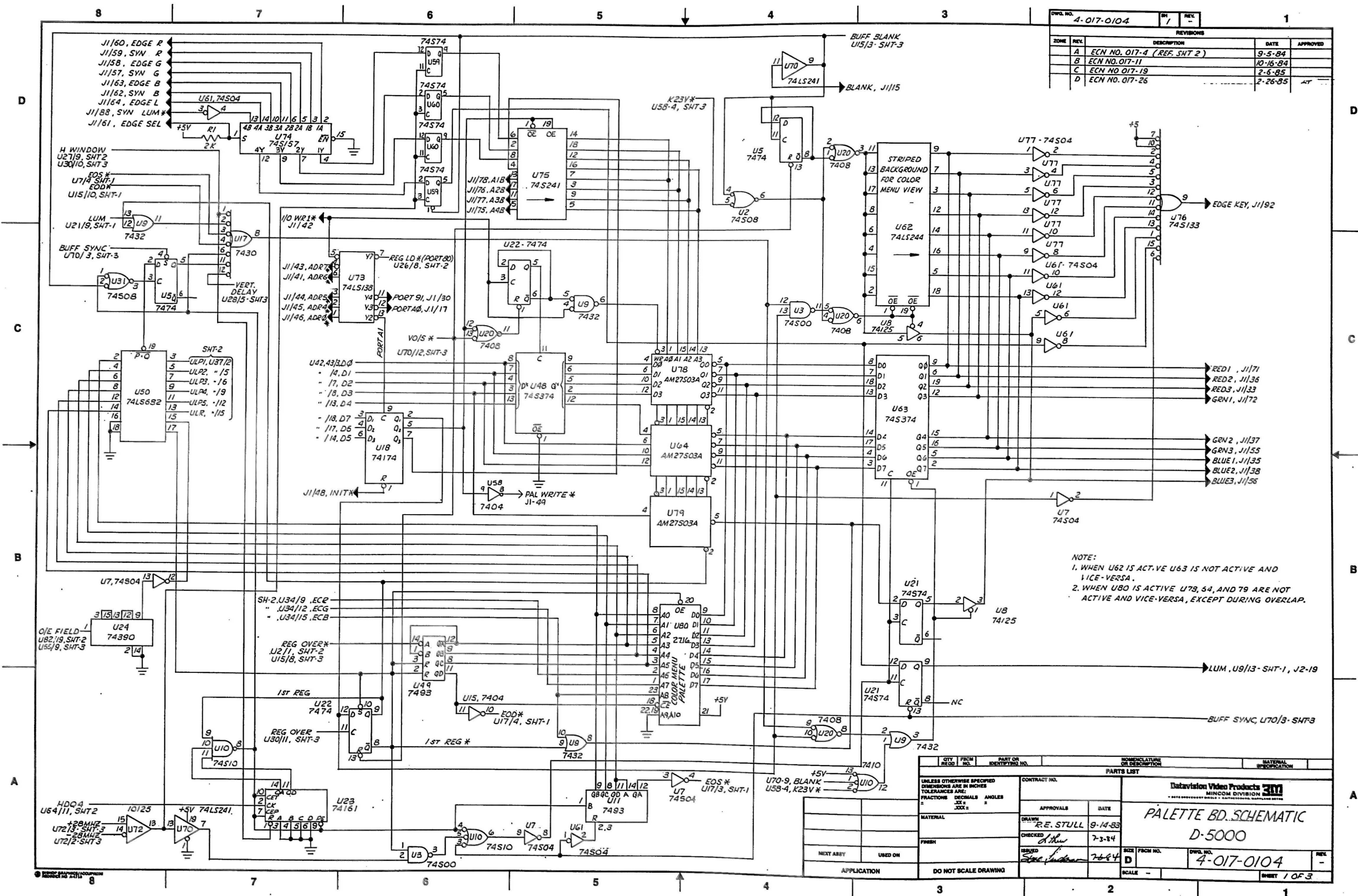


FIGURE 6-13

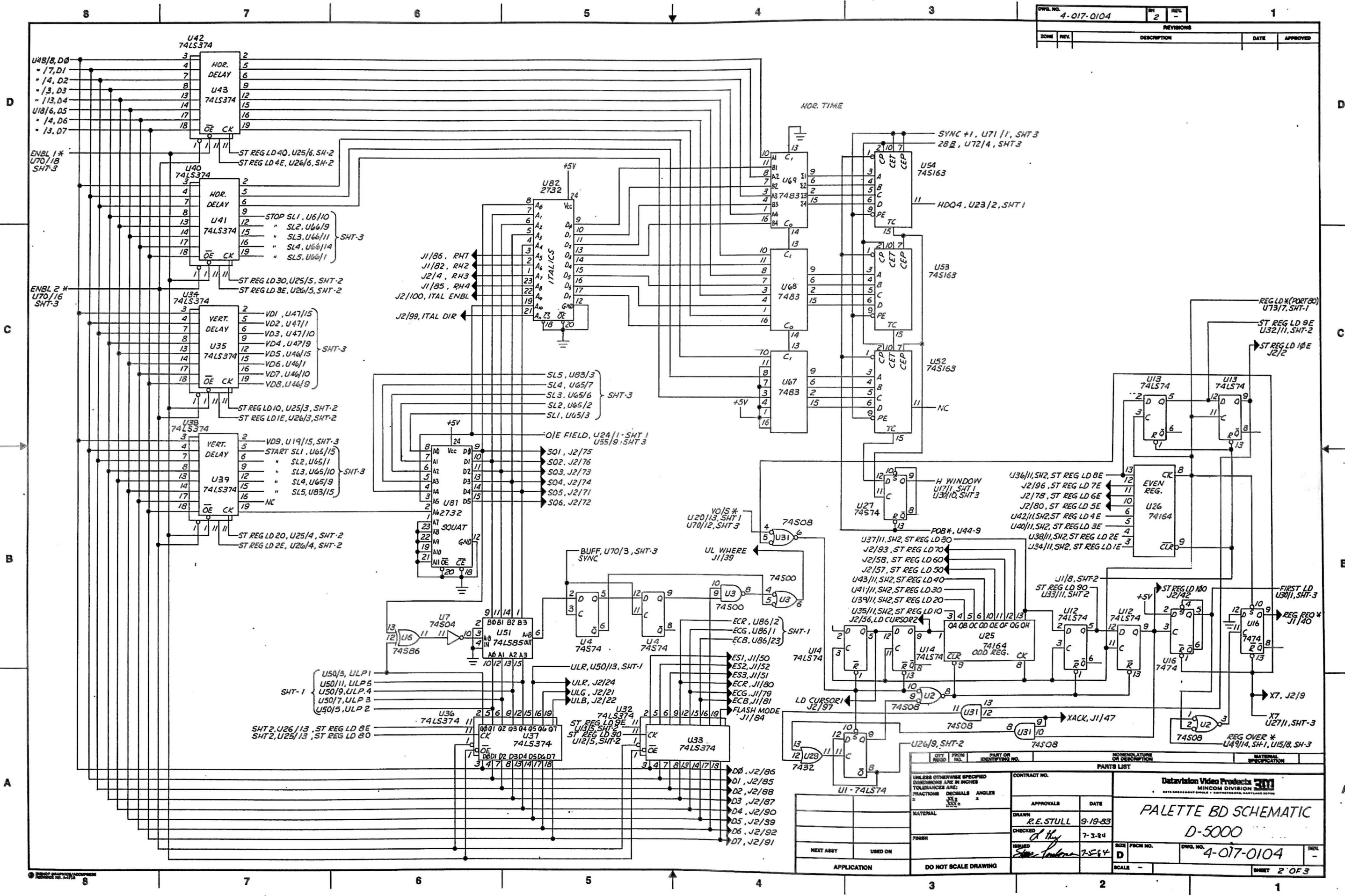


FIGURE 6-14

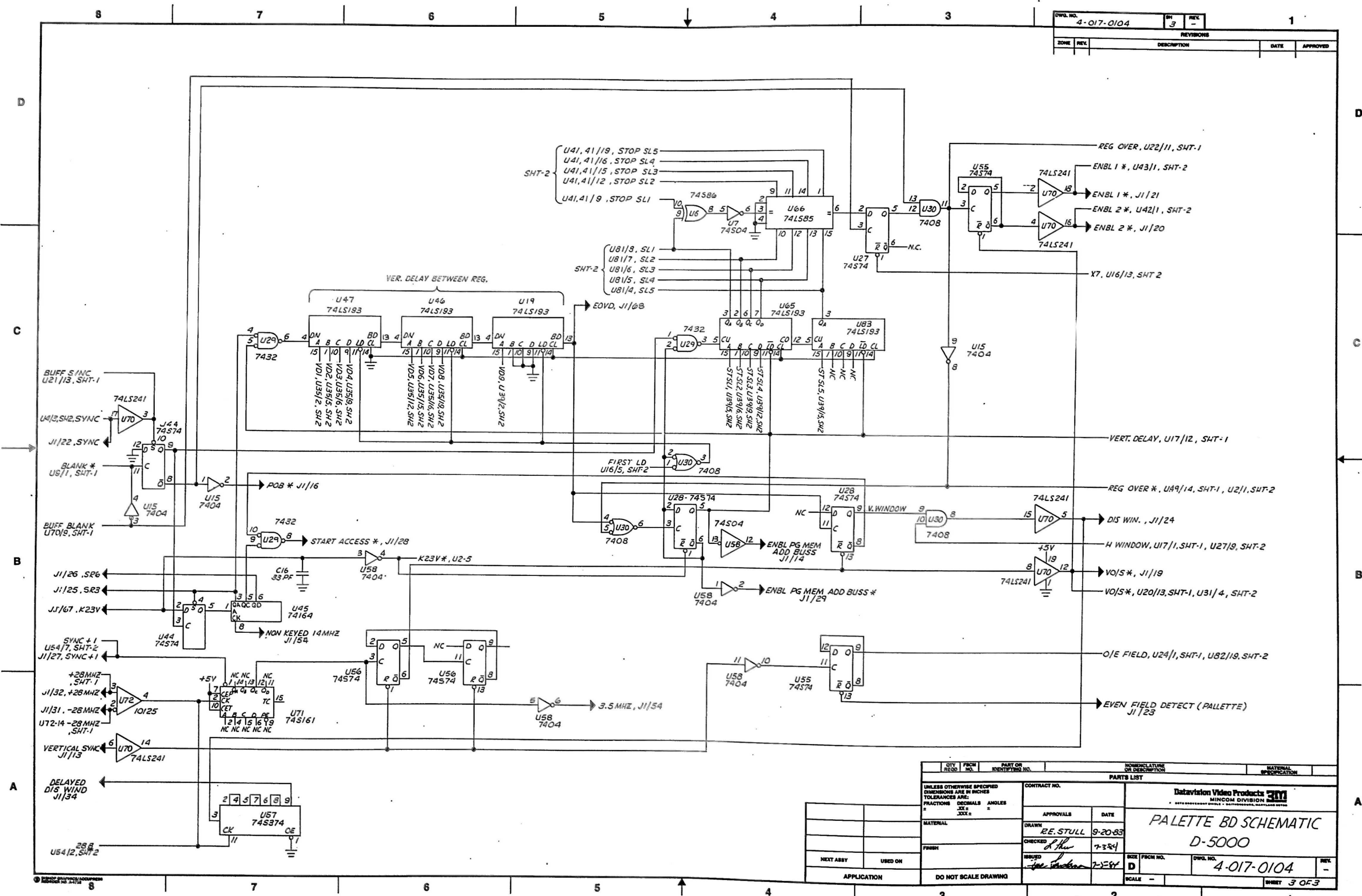
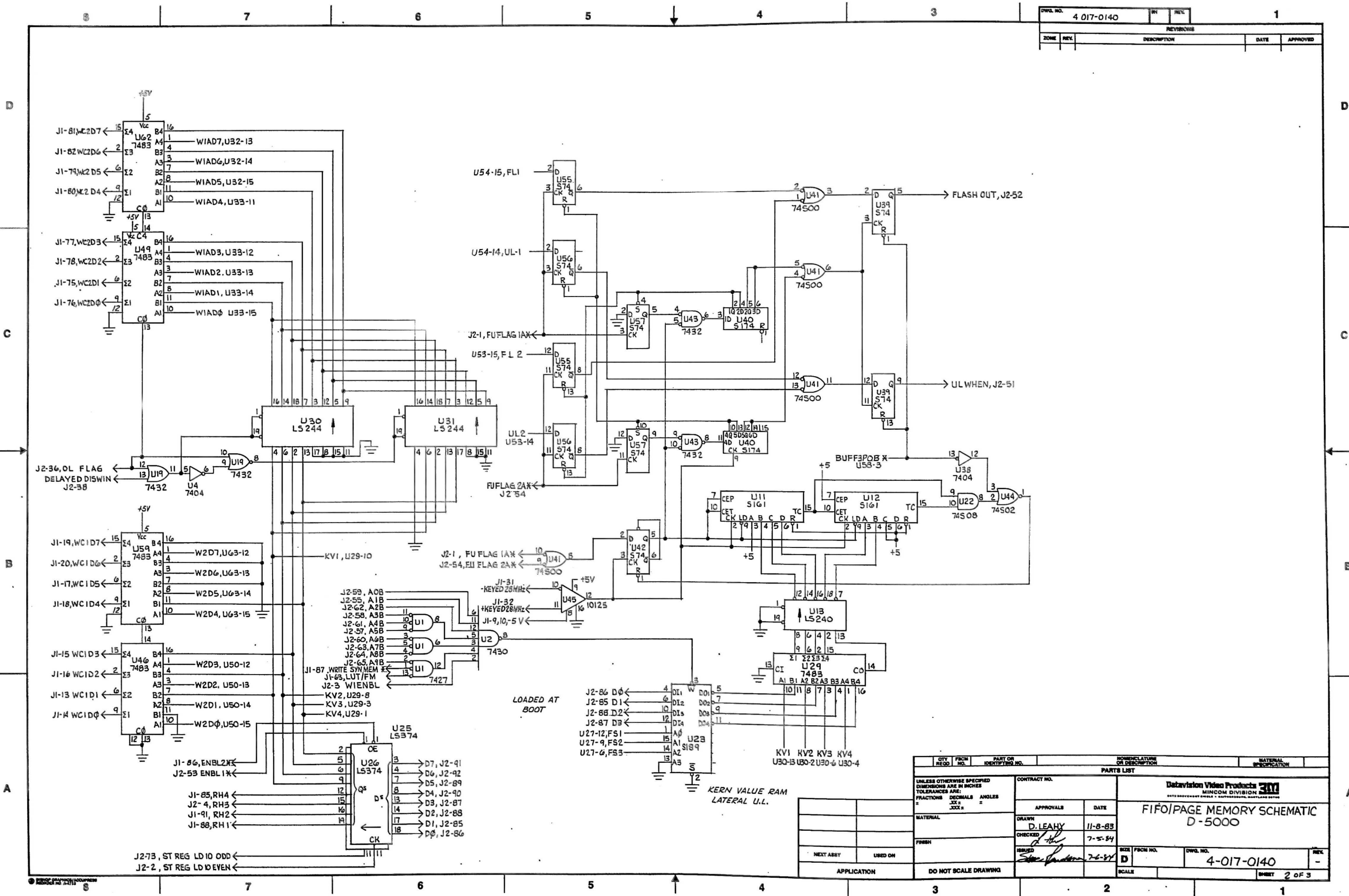


FIGURE 6-15



DWG. NO.		REV.		DATE		APPROVED	
4 017-0140							
ZONE		REV.		DESCRIPTION		DATE	
UNLESS OTHERWISE SPECIFIED		CONTRACT NO.		PARTS LIST		MATERIAL SPECIFICATION	
DIMENSIONS ARE IN INCHES							
TOLERANCES ARE:							
FRACTIONS DECIMALS ANGLES							
1/16 0.0625 30°							
1/32 0.03125 15°							
1/64 0.015625 7.5°							
1/128 0.0078125 3.75°							
1/256 0.00390625 1.875°							
1/512 0.001953125 0.9375°							
1/1024 0.0009765625 0.46875°							
1/2048 0.00048828125 0.234375°							
1/4096 0.000244140625 0.1171875°							
1/8192 0.0001220703125 0.05859375°							
1/16384 0.00006103515625 0.029296875°							
1/32768 0.000030517578125 0.0146484375°							
1/65536 0.0000152587890625 0.00732421875°							
1/131072 0.00000762939453125 0.003662109375°							
1/262144 0.000003814697265625 0.0018310546875°							
1/524288 0.0000019073486328125 0.00091552734375°							
1/1048576 0.00000095367431640625 0.000457763671875°							
1/2097152 0.000000476837158203125 0.0002288818359375°							
1/4194304 0.0000002384185791015625 0.00011444091796875°							
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1/33554432 0.0000000298023223876953125 0.00001430511474609375°							
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1/302231454903657293676544 0.0000000000000000000000033087224502122266931262672450079120648891015625 0.00000000000000000000158818677610181313575313090501511718751000000129920127391566265306123046875°							
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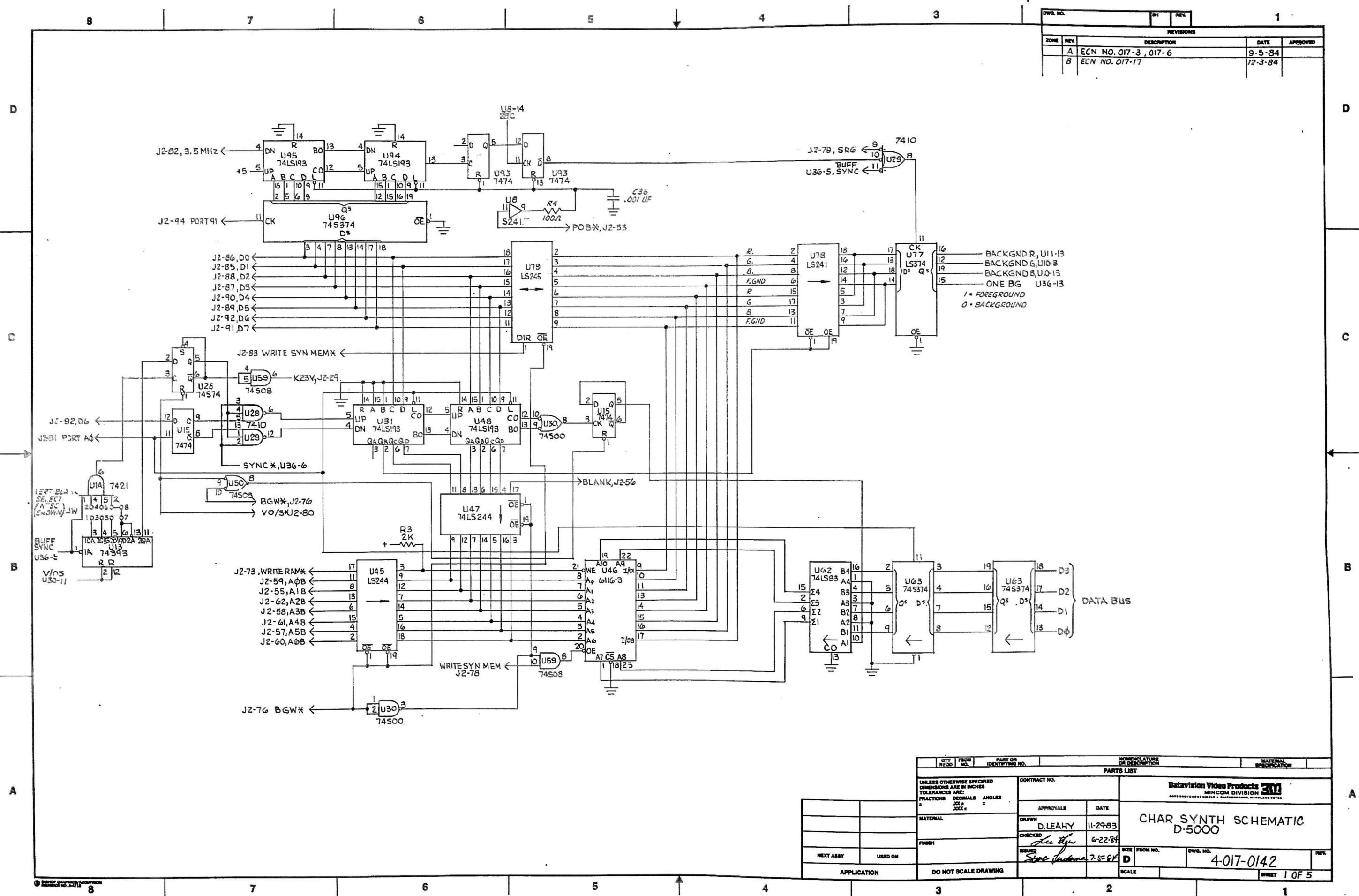


FIGURE 6-19

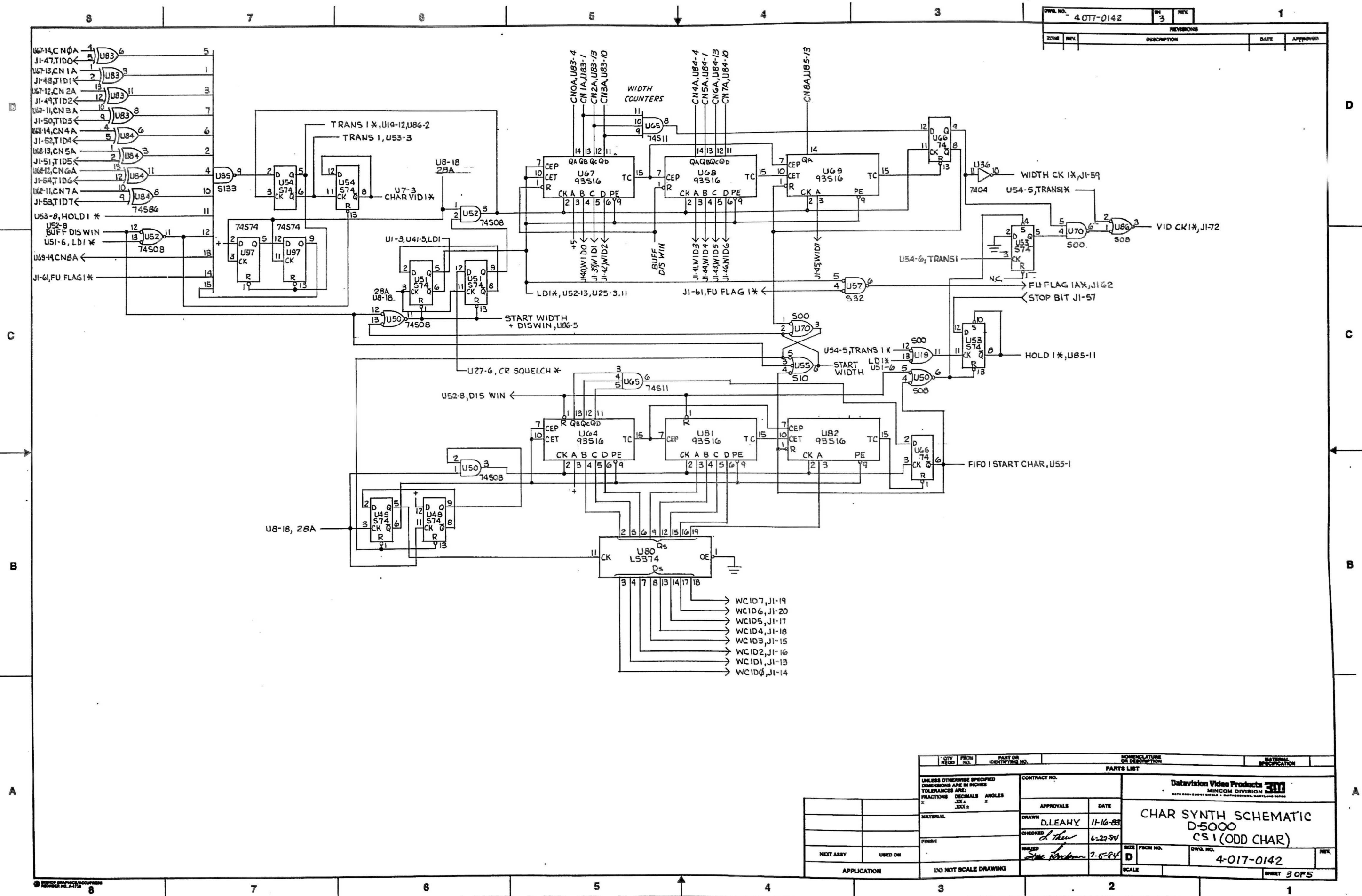
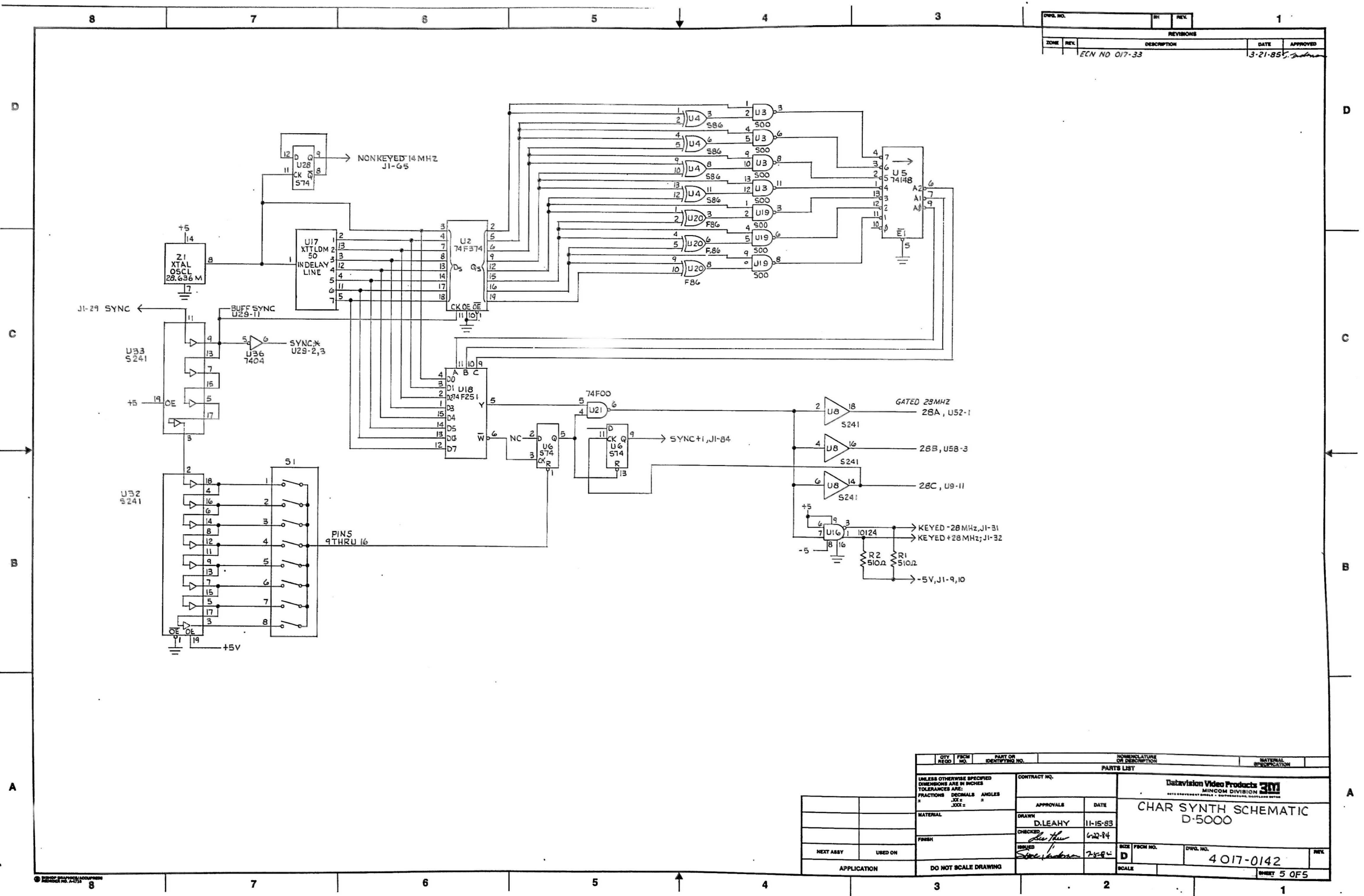


FIGURE 6-21



ZONE	REV	DESCRIPTION	DATE	APPROVED
1	1	ECN NO 017-33	3-21-85	

QTY		FROM		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION	
PARTS LIST									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XX ± .XXX ±					CONTRACT NO.				
MATERIAL					APPROVALS				
FINISH					DATE				
NEXT ASSY					USED ON				
APPLICATION					DO NOT SCALE DRAWING				
DRAWN D. LEAHY					11-15-83				
CHECKED					6-22-84				
ISSUED					7-8-84				
SCALE					D				
SIZE FROM NO.					D				
DWG. NO.					4 017-0142				
SHEET					5 OF 5				

FIGURE 6-23

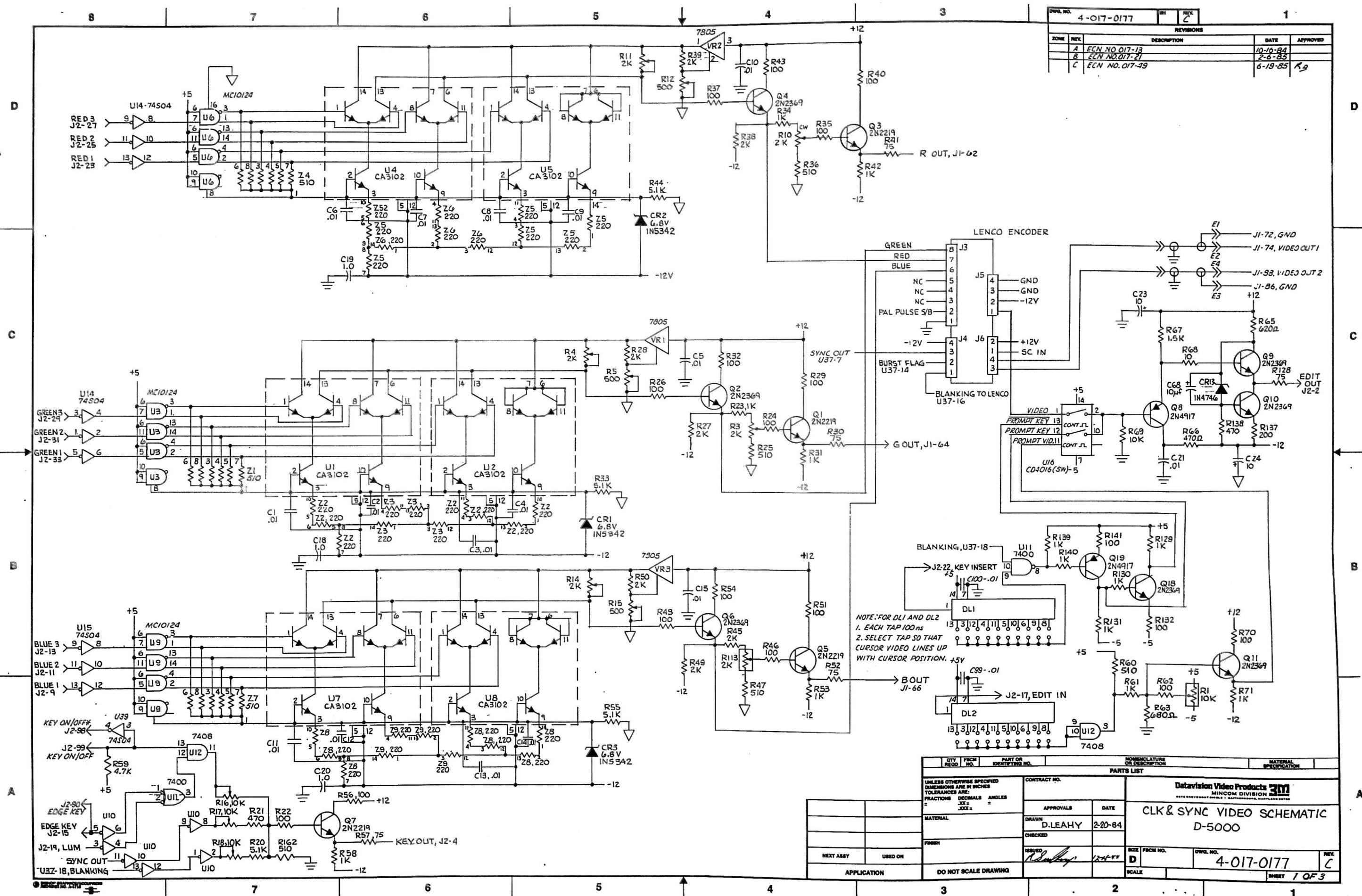
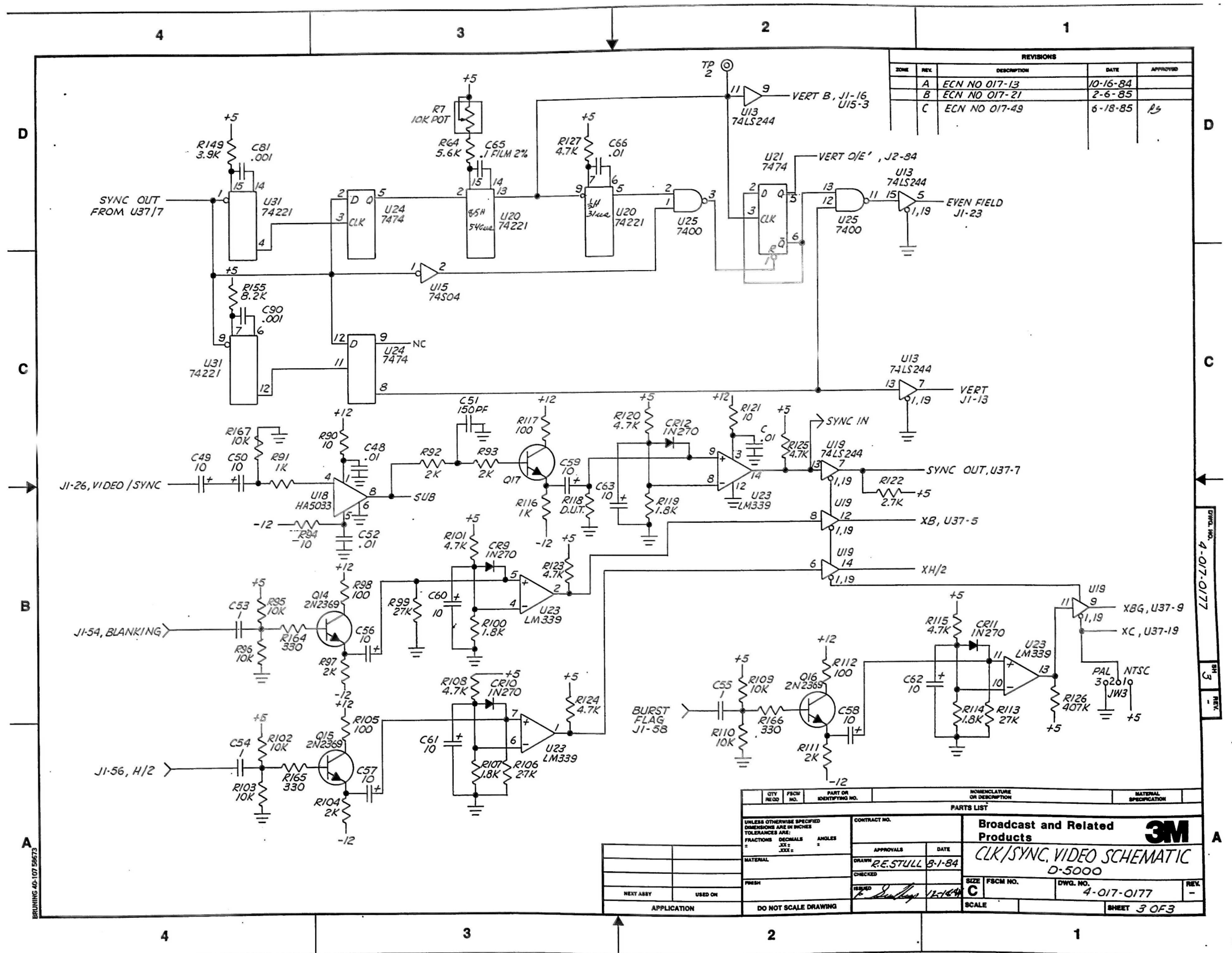
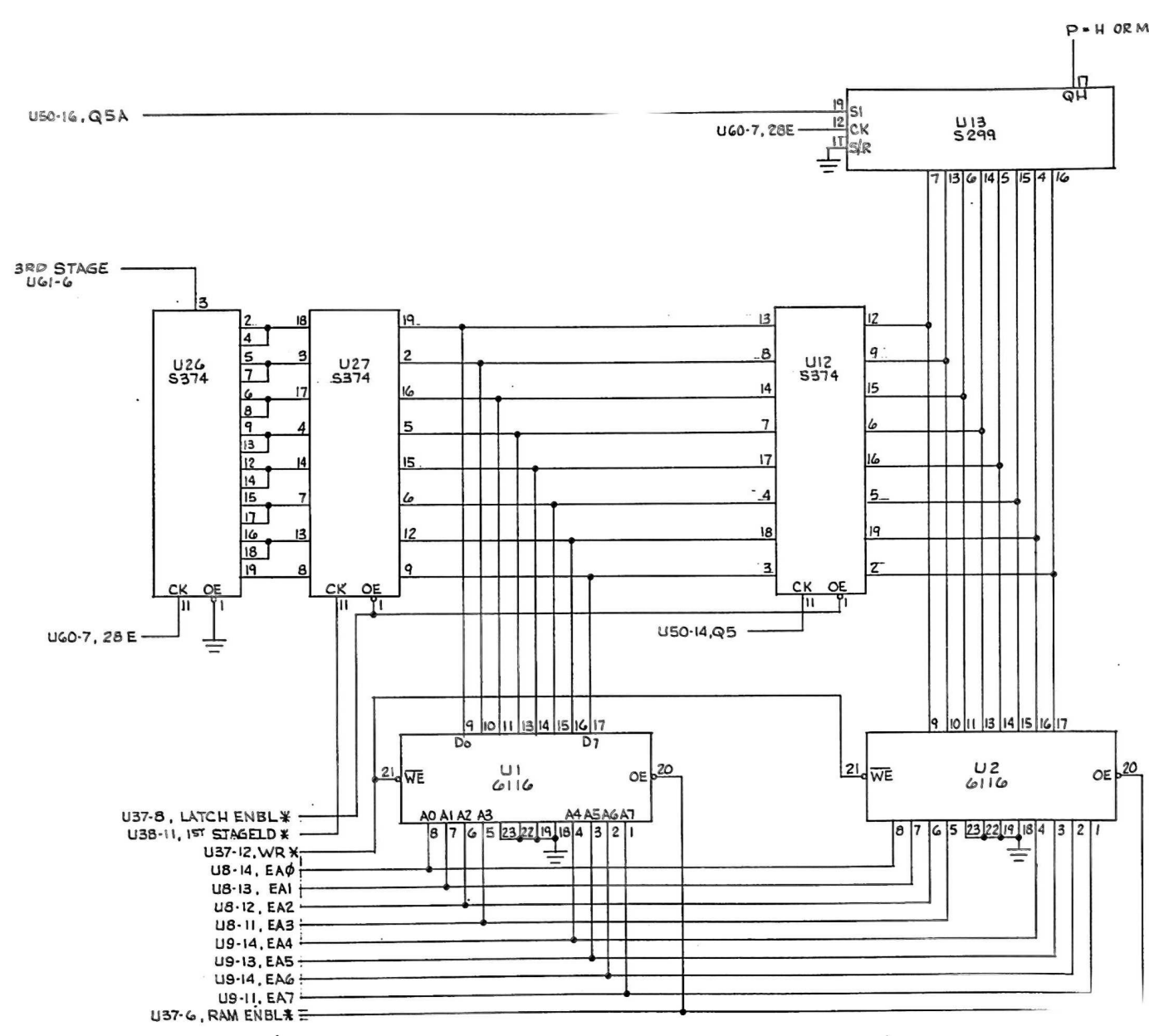


FIGURE 6-24

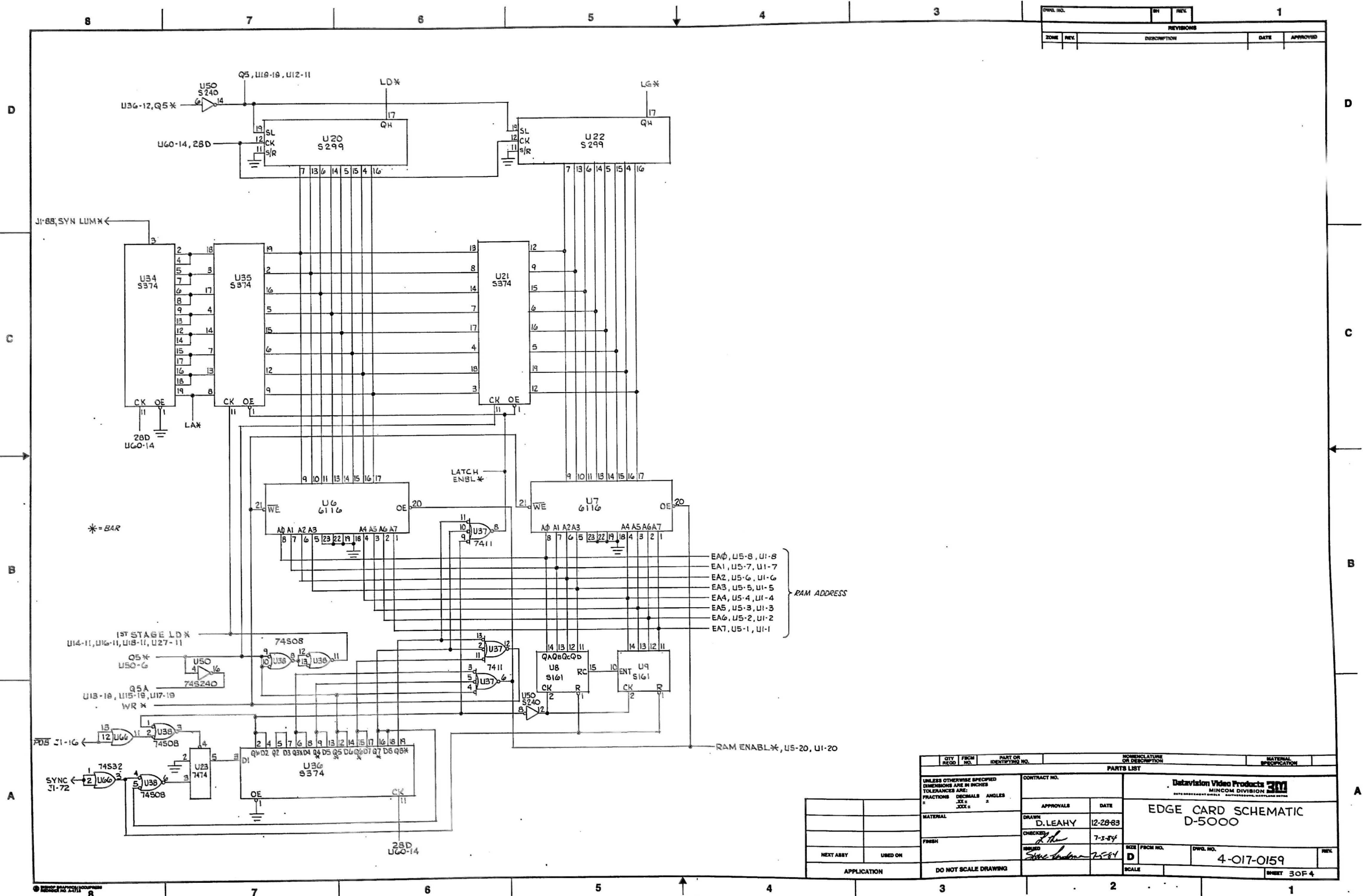




DWG. NO.		BY	REV.	1
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

QTY REQD		FROM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .005 ± .005			CONTRACT NO.		DISTRIBUTION VIDEO PRODUCTS MINICOM DIVISION DATE: 12-29-83	
MATERIAL			APPROVALS		DATE	
FINISH			DRAWN D. LEAHY		12-29-83	
NEXT ASSY			CHECKED [Signature]		7-3-84	
USED ON			ISSUED [Signature]		7-5-84	
APPLICATION			DO NOT SCALE DRAWING		SCALE	
			BOX		FROM NO.	
			D		4-017-0159	
			DWG. NO.		SHEET 2 OF 4	

FIGURE 6-28



DWG. NO.		REV.	DATE	APPROVED
1				
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

QTY	FROM	PART OR IDENTIFICATION NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
REQD	NO.			
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ± ±				
MATERIAL		CONTRACT NO.	APPROVALS	
FINISH		DATE	DATE	
NEXT ASSY		USED ON	CHECKED	
APPLICATION		DO NOT SCALE DRAWING	ISSUED	
			DATE	
			SCALE	
			SHEET 30F4	

FIGURE 6-29

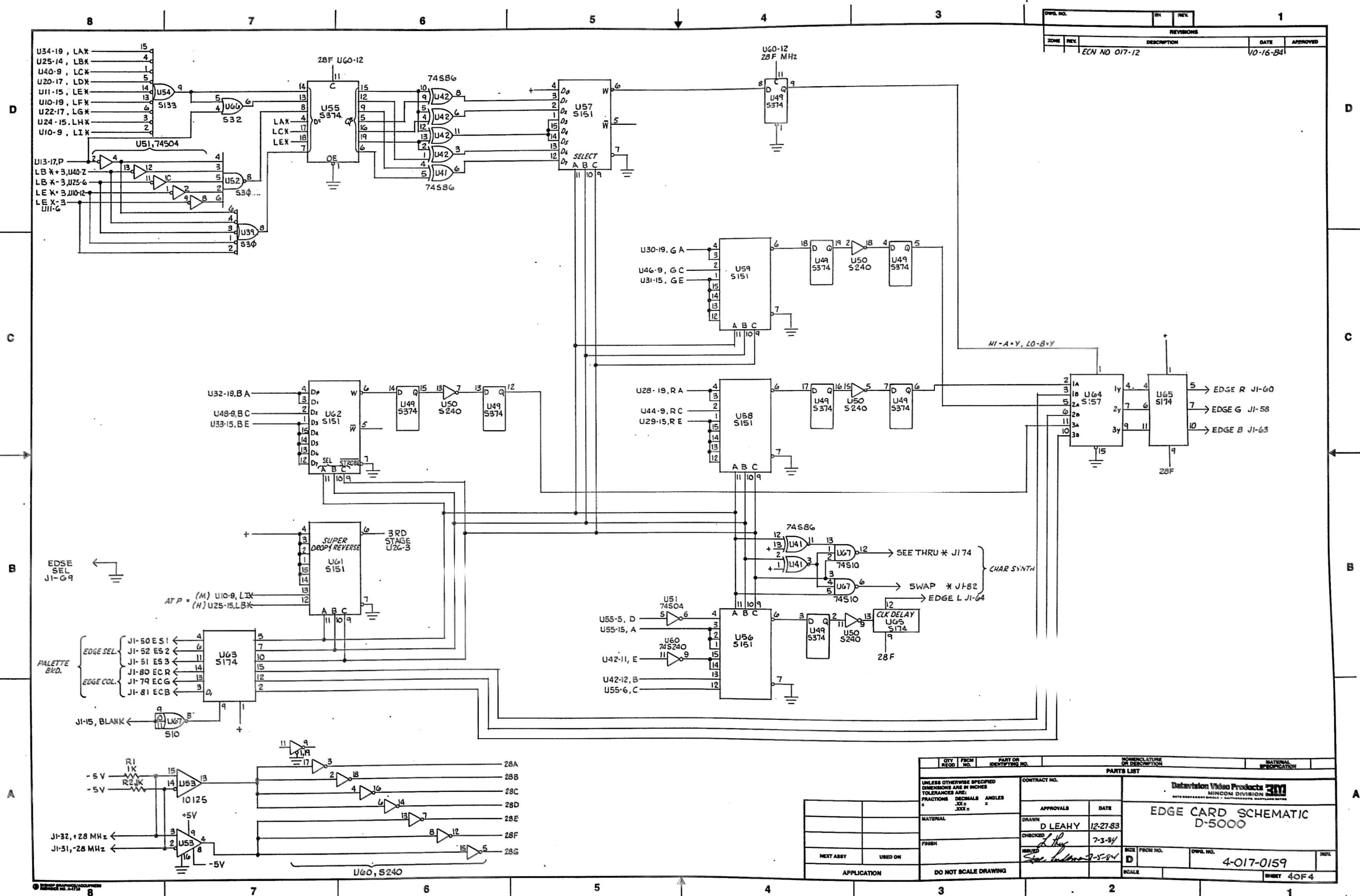
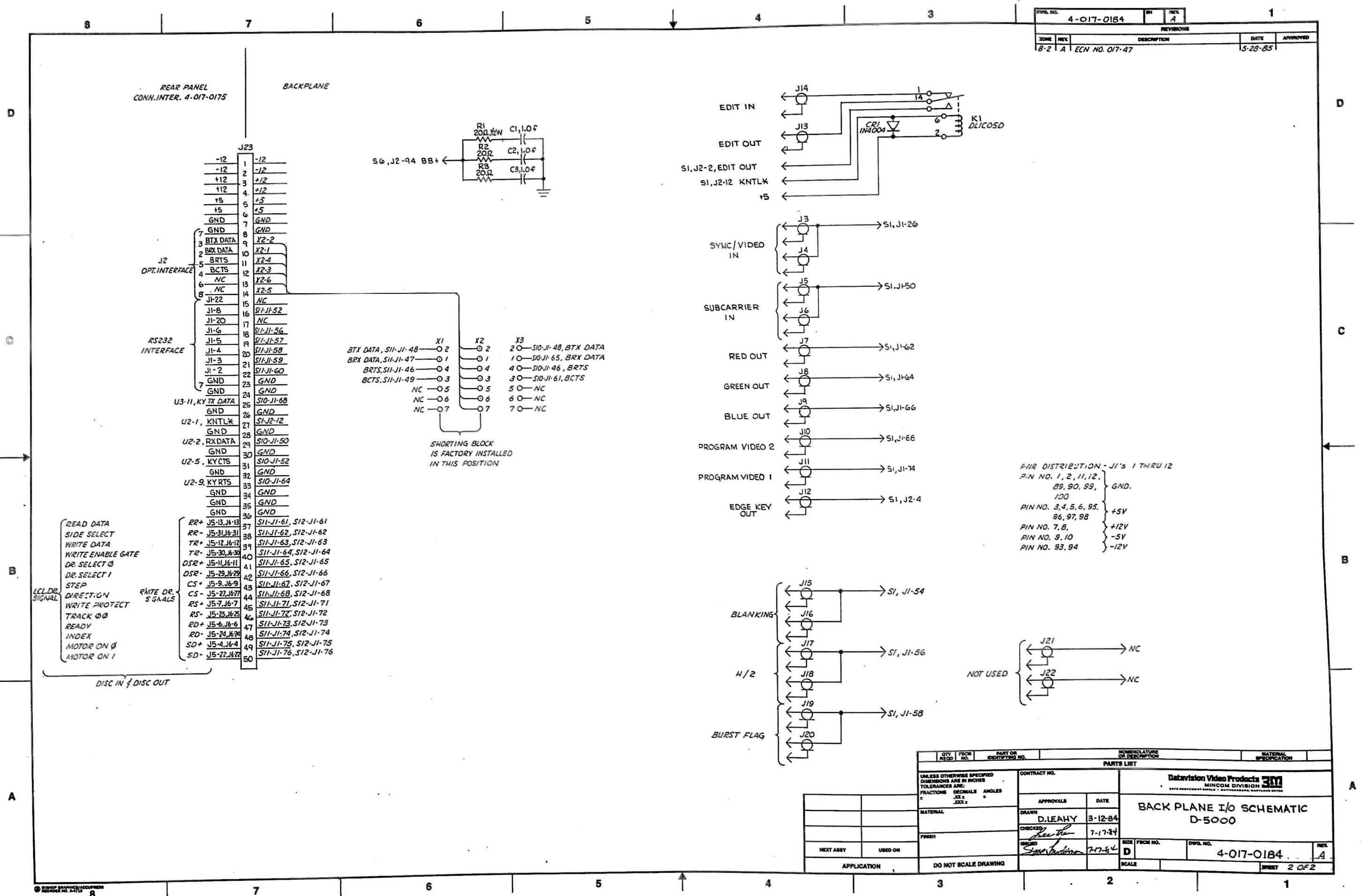


FIGURE 6-30



DRAWING NO. 4-017-0184		REV. A	DATE 5-28-85	APPROVED
ZONE	REV.	DESCRIPTION	DATE	APPROVED
B-2	A	ECN NO. 017-47		

PAIR DISTRIBUTION - J1'S 1 THRU 12
PIN NO. 1, 2, 11, 12, 89, 90, 99, 100 GND.
PIN NO. 3, 4, 5, 6, 95, 96, 97, 98 +5V
PIN NO. 7, 8, +12V
PIN NO. 9, 10 -5V
PIN NO. 93, 94 -12V

QTY	PART NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XX ± .XXX ±			CONTRACT NO.	
MATERIAL			APPROVALS	DATE
FINISH			D. LEAHY	3-12-84
NEXT ASSY			CHECKED	7-17-84
USED ON			ISSUED	7-17-84
APPLICATION			DO NOT SCALE DRAWING	
			SIZE D	FORM NO. 4-017-0184
			SCALE	2 OF 2

FIGURE 6-33

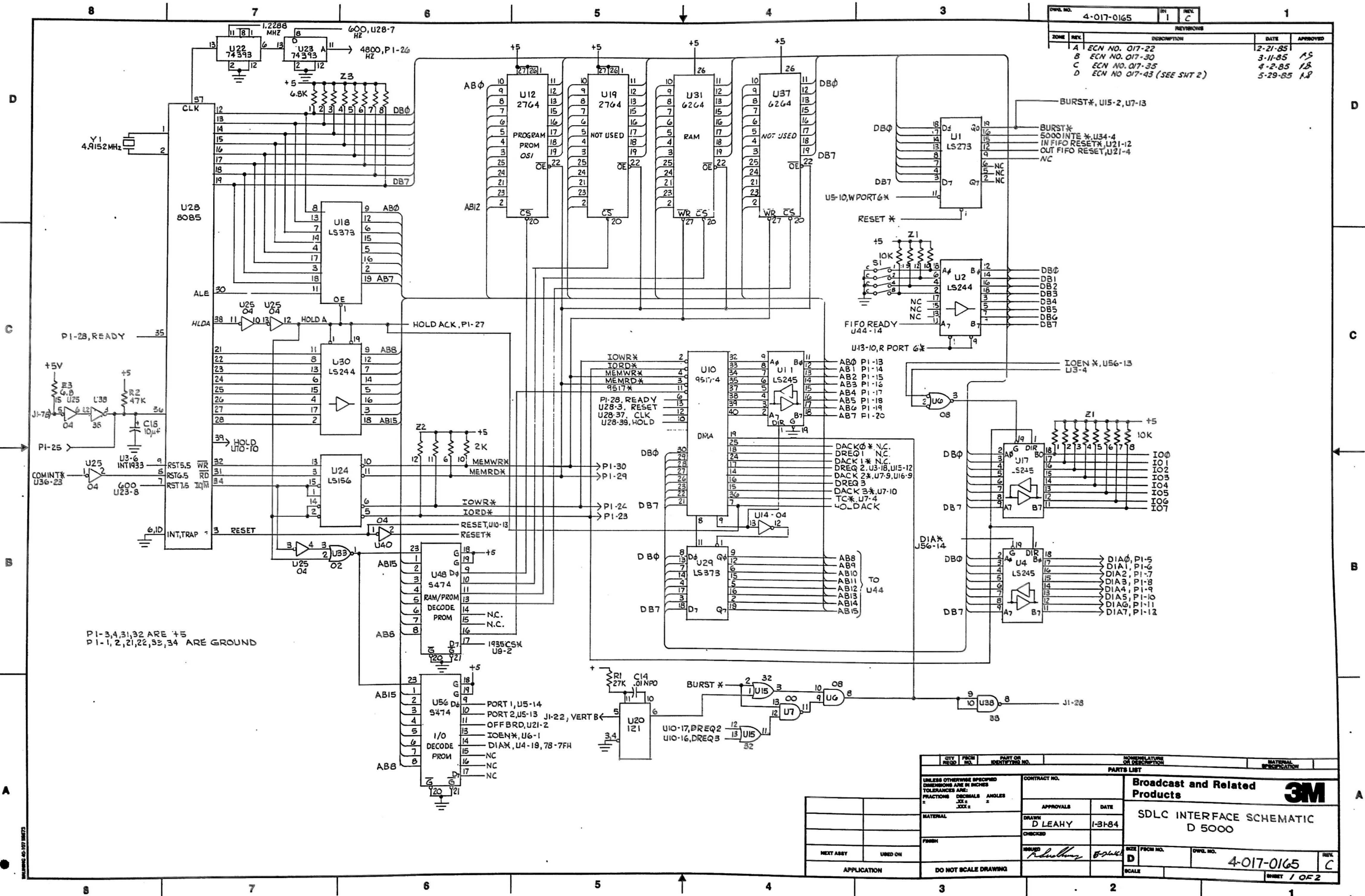


FIGURE 6-34

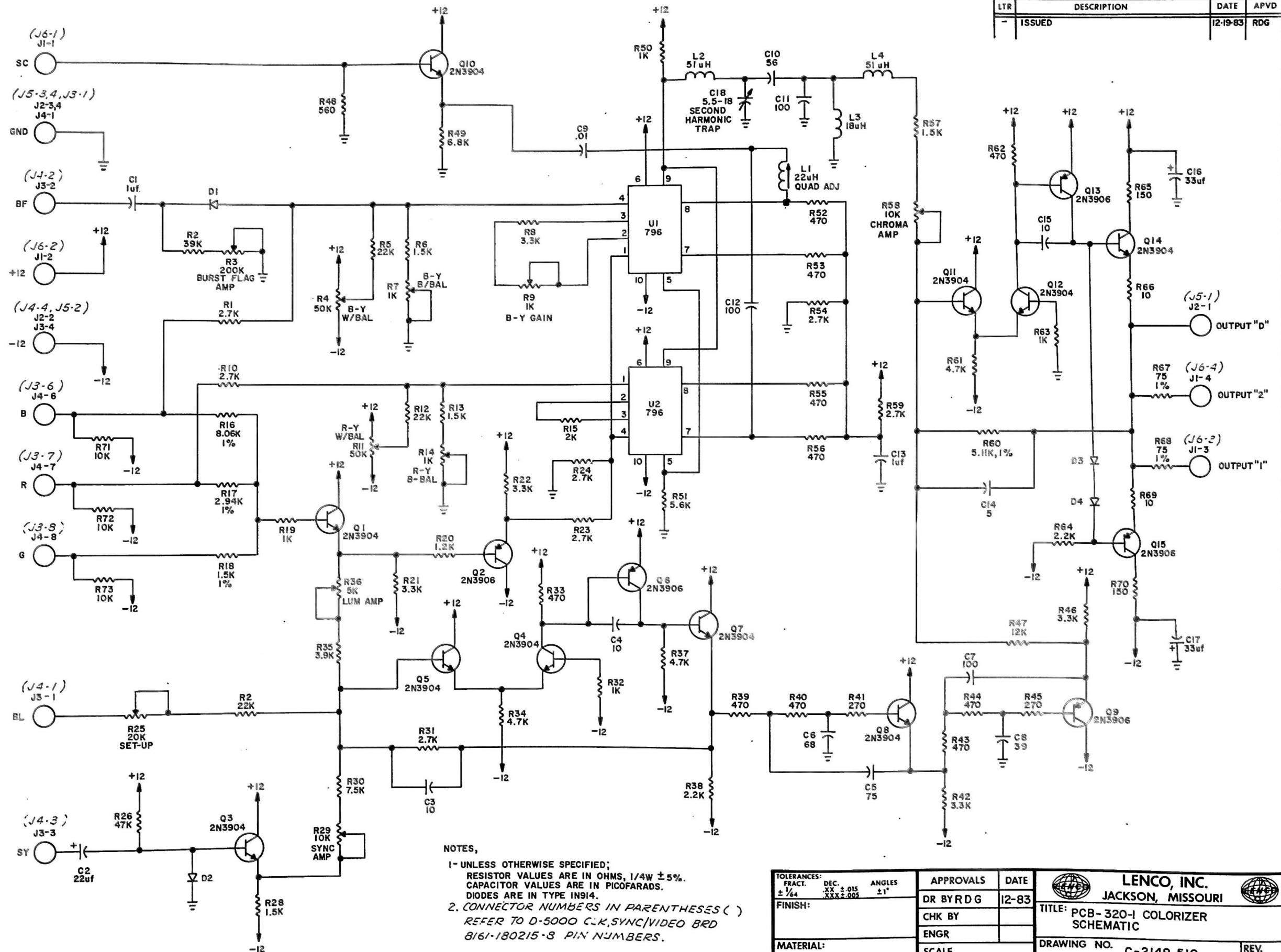


FIGURE 6-36

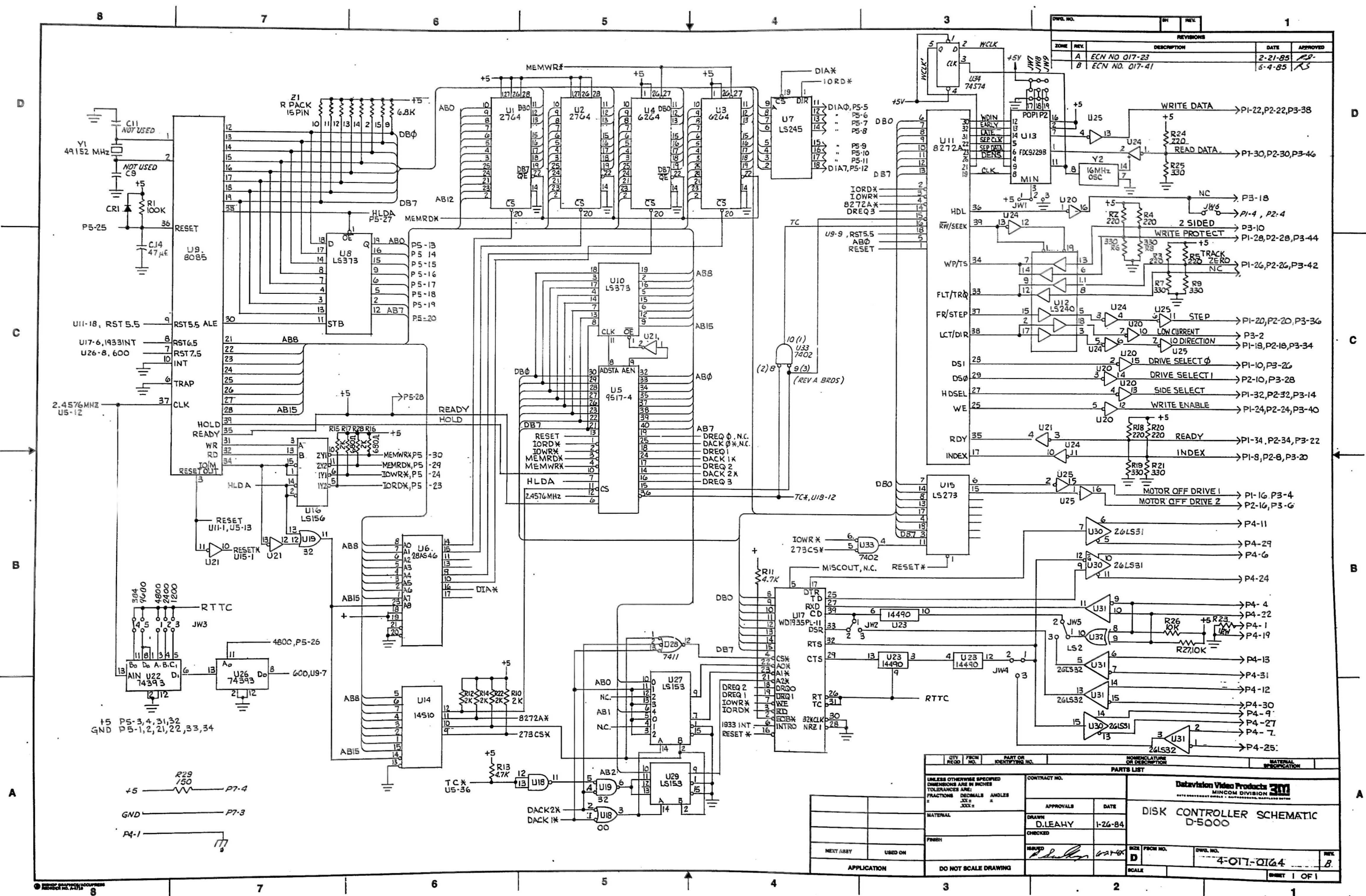


FIGURE 6-37